

AIM Ann Report
1914 to 1915

ANNUAL REPORT
OF THE
AUCKLAND INSTITUTE
AND
MUSEUM
FOR
1914-1915.

ADOPTED AT THE ANNUAL MEETING
HELD FEBRUARY 22ND, 1915.

AUCKLAND
Wilson & Horton, Printers, Queen and Wyndham Streets.
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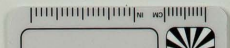
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AUCKLAND INSTITUTE.

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Auditor:

S. GRAY, F.R.A.

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The following Periodicals and Publications of Societies

are Subscribed to by the Institute:

NATURE.
THE PHILOSOPHICAL MAGAZINE.
THE AMERICAN JOURNAL OF SCIENCE.
AMERICAN CHEMICAL JOURNAL.
THE ELECTRICIAN.
THE PHYSICAL REVIEW.
COMPTES RENDUS DES SEANCES DE L'ACADEMIE DES SCIENCES.
ANNALS AND MAGAZINE OF NATURAL HISTORY.
QUARTERLY JOURNAL OF MICROSCOPICAL SCIENCE.
ANNALS OF BOTANY.
THE BOTANICAL GAZETTE.
THE GARDENER'S CHRONICLE.
JOURNAL OF AGRICULTURAL SCIENCE
THE GEOLOGICAL MAGAZINE.
SCIENCE PROGRESS.
THE ECONOMIC JOURNAL.
THE LANCET.
MIND.

TRANSACTIONS AND PROCEEDINGS OF THE ROYAL SOCIETY.
TRANSACTIONS AND PROCEEDINGS OF THE ZOOLOGICAL SOCIETY.
THE ZOOLOGICAL RECORD.
PUBLICATIONS OF THE RAY SOCIETY.
JOURNAL OF THE CHEMICAL SOCIETY.
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY.
QUARTERLY JOURNAL OF THE GEOLOGICAL SOCIETY.
JOURNAL OF THE ROYAL AGRICULTURAL SOCIETY.
THE GEOGRAPHICAL JOURNAL.
REPORT OF THE BRITISH ASSOCIATION.

Report of the Council.

The rules of the Society provide that at each Annual Meeting the Council shall submit to the members a report of the proceedings of the Institute during the previous year. In compliance with this regulation, the following statement has been drawn up for presentation to the meeting:—

MEMBERS.—The number of members elected during the year has been 22. On the other hand, the number of names withdrawn from the roll has been 36; 4 from death, 26 from resignation, and 6 from non-payment of subscription for more than two consecutive years. There has thus been a net loss of 14, the number on the roll having been reduced from 370 to 356. The Council are sorry to report a reduction in the membership; but a similar decline has taken place in the other incorporated societies, and is probably an inevitable consequence of the present troublous times.

Among the members removed by death the Council regret to mention the names of Archdeacon Walsh, who has been a frequent contributor to the Transactions during the 27 years he has been associated with the Society, and who has made many important donations to the collection of Maori antiquities in the Museum; of Mr. W. R. Bloomfield, who was lost in the disastrous wreck of the "Empress of Ireland"; of Mr. W. S. Cochrane; and Mr. E. Bond.

FINANCE.—Members who desire to obtain full information respecting the financial position of the Institute will doubtless consult the balance-sheets accompanying this report; but the following brief synopsis may be of use.

The total revenue of the Working Account, excluding the balance in hand at the commencement of the year, has been £1,530 17s 7d. Last year the amount was £1,862 0s 2d; but, as pointed out at the time, that sum included the exceptional item of a Government subsidy for £250, in addition to arrears of interest and rents properly belonging to the previous year. Taking these items into consideration, it will be found that the revenue for the year is not far below that for 1913-1914. The

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amount received under the head of members' subscriptions has fallen from £354 18s to £322 7s, and there is an apparent reduction of £37 12s 6d in the receipts from the Costley Bequest, and of £16 10s 8d in the returns from the Museum Endowment, but both are mainly caused, as hinted above, by the payment of arrears in the previous year. On the other hand, a new item of revenue appears in the returns from the Campbell Bequest. The expenditure has been unusually large, amounting to £1,691 19s, as against £1,590 10s 2d for the previous year. The increase is due to the numerous purchases made for the Museum, and to the cost of the show-cases required for their exhibition. The balance in hand amounts to the satisfactory sum of £218 9s 7d.

Turning to the invested funds of the Society, the position must be regarded as satisfactory. The legacy of £1,000 bequeathed by the late Sir John Campbell, paid over by the Campbell Trustees during the previous year, has been suitably invested, and is now yielding its full revenue of 6 per cent. A further sum of £555 has been derived from the sale by the Government of certain Museum Endowments, and has also been invested. From these two sources the Capital Funds of the Institute have been raised to the sum of £18,181, thus securing an increased revenue in the future of nearly £100 per annum.

VISIT OF THE BRITISH ASSOCIATION.—In last year's report it was stated that arrangements had been made by the New Zealand Government to invite a number of the leading members of the British Association to visit New Zealand after the close of the Australian meeting, with the object of holding a short supplementary meeting in New Zealand. But the unforeseen outbreak of war, and the military preparations that at once became necessary, compelled the Government to cancel the greater part of these arrangements, and, in particular, to abandon the idea of an official meeting of the Association in the Dominion. After the break-up of the Australian meeting, however, a considerable number of members of the Association were able to visit New Zealand, and no small number of lectures or addresses were delivered in the various centres. Six of these were given in Auckland under the auspices of the Institute, and were fully appreciated by the citizens, securing in each case a large and representative audience.

MEETINGS.—Including the British Association lectures just alluded to, eleven meetings have been held during the year. The greater number of these were delivered in St. Andrew's Hall, Symonds Street, a building which as regards size and position has proved very suitable for the purposes of the Institute. The following is a full list of the lectures and papers contributed:—

1. The Art of Road-making: Past, Present, and Future.—By F. E. POWELL, C.E.
2. Petroleum and its occurrence in New Zealand.—By J. L. STREVEVS, late Chief Chemist to the Taranaki Old Field.
3. The European Crisis, its Historical Aspects.—By J. P. GROSSMANN, M.A., Lecturer on Economics and History at the Auckland University College.
4. The Old Education in a New Country.—By PROF. J. J. FINDLAY (British Association Lecture).
5. Heredity and Eugenics.—By DR. C. B. DAVENPORT (British Association Lecture).
6. Heredity and Responsibility.—By PROF. E. G. CONKLIN (British Association Lecture).
7. English Universities and Public Schools.—By DR. H. B. GRAY (British Association Lecture).
8. Some of the Properties of an Electric Current.—By A. WYLLIE, Electrical Engineer to the City of Auckland.
9. Explosions.—By PROFESSOR H. B. DIXON, F.R.S. (British Association Lecture).
10. Anaesthetics in Military Surgery.—By PROFESSOR A. WALLER, F.R.S. (British Association Lecture).
11. The Prothallia of three New Zealand Lycopods.—By MISS K. V. EDGERLEY, M.A.
12. Descriptions of new species of Flowering Plants.—By T. F. CHEESEMAN, F.L.S.
13. Notes on Aciphylla, with descriptions of new species.—By T. F. CHEESEMAN, F.L.S.
14. The Ferns of Mangonui County.—By H. CARSE.
15. Descriptions of New Native Phanerogams.—By D. PETRIE.
16. Some additions to the Flora of the Subantarctic Islands.—By D. PETRIE.
17. Records of borings at Horotiu.—By J. R. HETHERINGTON.
18. The Mollusca of the Kermadec Islands.—By W. R. B. OLIVER.

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19. A Comparison of the Land Mollusca of the Kermadec Group with that of Norfolk Island.—By T. IREDALE.
20. A Commentary on Suter's Manual of the New Zealand Mollusca.—By T. IREDALE.
21. New Genera and Species of Coleoptera.—By MAJOR T. BROUN.

Those of the above that were prepared for publication in the Transactions of the New Zealand Institute have been forwarded to the Editor, and will probably appear in volume 47, now being sent to press. Volume 46, which includes the papers read before the various Incorporated Societies during 1913, has been issued and distributed among the members.

MUSEUM.—With the exception of a few days necessarily devoted to cleaning and rearrangement, the Museum has been open to the public throughout the year. The attendance of visitors has been good, although not quite equal to the standard of the two previous years. Taking the Sunday attendance first of all, the Register kept by the Janitor shows that 22,314 people entered the building on that day, being an average of 429 for each Sunday. On the eight chief holidays of the year there was a total attendance of 4,197, being a daily average of 524. The greatest attendance on any one day was 1,031 on Good Friday, followed by 844 on Easter Monday, and 749 on Labour Day. It is impossible to give the actual attendance on ordinary week-days; but taking occasional counts as a basis of calculation, the average number of visitors per day can be safely estimated at 210, which would give a total of 64,050. If this number be added to the figures given for Sundays and holidays, the total number of visitors for the whole year will be 90,561. Last year the number was estimated at 93,857. It is worthy of remark that the attendance during autumn and winter greatly exceeded that of the previous years, and that but for a singular diminution commencing at the time of the outbreak of war, and lasting until the Christmas holidays, the figures for the year would have been the highest recorded.

Much progress has been made in the Museum during the year. The additions received by purchase or donation have been numerous and important, while a large amount of material has been derived from collecting trips made to various portions of the coast. Perhaps the most attractive addition to the Zoological Department is a special group illustrating the life history of the Spotted Shag (*Phalacrocorax punctatus*). It contains numerous specimens of adult males and females in full breeding plumage, together with young birds in various stages of growth, nests, and eggs, and is an exact representation of a portion of

Shag Rock, in the Frith of the Thames, which is a great breeding colony of the species. The whole of the specimens, with all their accessories, were brought from this locality by Mr. Griffin, and have been very realistically mounted by him. The painted background is the work of the well-known artist Mr. Kennett Watkins.

Two other conspicuous additions consist of a fine specimen of the Mako shark (*Lamna glauca*), from which species the Maoris obtained the teeth so regularly worn by them as ear-ornaments; and an equally good example of the singular Thresher shark (*Alopias Vulpes*), in which the length of the tail greatly exceeds that of the body. Several smaller fishes have also been mounted by Mr. Griffin and placed on exhibition. Reference should be made to a fine specimen of the Kakakura variety of the Kaka Parrot, presented by Mr. C. Davis; and a similar example of the Australian Shrike (*Graucalus melanops*) obtained in Taranaki, and donated by Mr. B. F. Booker. Neither of these birds was previously represented in the Museum.

One of the most interesting and instructive additions received during the year is an exhibit prepared by the Auckland Harbour Board for the recent Exhibition, showing the damage caused to wooden wharves by the *Teredo*, *Limnoria*, and other genera of marine borers. After the close of the Exhibition, the whole collection, together with its plate-glass showcase, was very kindly presented to the Museum by the Harbour Board.

Several important donations have been made to the Geological Department. The Talisman Gold Mining Company has presented a large series of auriferous lode specimens and minerals, arranged in a neat plate-glass show-case. This also was originally prepared for the Auckland Exhibition, and at its close was transferred to the Museum. An extensive set of named New Zealand fossils, likely to prove of considerable value for purposes of comparison, has been presented by the Geological Survey, but has not yet been unpacked, want of space and case-room making its exhibition at the present time quite impossible. Several minor collections, particulars of which are given in the appended list of donations, have from necessity been treated in a similar manner.

The Maori collection has been largely increased during the year. The most important accession is a series of 336 greenstone, bone, and ordinary stone articles collected by Mr. F. R. Smith, with the assistance of Mr. C. Arnold and others, at Murdering Beach and other localities near Dunedin, in the years between 1874 and 1878. After the death of Mr. Smith, the collection passed into the hands of his widow, from whom it has now been

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purchased. Many of the articles are distinct acquisitions to the Museum; and the whole collection is valuable as coming from a different area to the majority of specimens already in the Museum, thus showing local differences of workmanship. It is satisfactory to announce the purchase from Mrs. Hanby of a superbly carved whakapapa, or genealogical tree, originally obtained many years ago by Captain Preece in the Urewera Country during the Maori War. Such articles are among the rarest of Maori productions, and the present example is one of the finest known. Another acquisition of considerable importance is an unusually large and boldly carved Hei-tiki, formerly in the possession of the well-known chief Hongi Hika. It was purchased out of the surplus funds of the defunct Auctioneers' Association, at the desire of its president, Mr. H. E. Vaile, and presented to the Museum. A donation of some interest has been received from Mr. John Kenderdine, in the shape of an elaborately carved "Ipu," or box used for holding preserved birds or other objects, and an "Okoi," or bowl used for serving up food at a feast. Both these articles were detected by Mr. Kenderdine on the shelves of an obscure curio shop in Sydney, and secured by him for presentation to the Museum. From Mr. G. Graham, who for many years has been a constant contributor to the Museum, comes a remarkably fine carved Korere, or funnel used for giving liquids to a chief when the operation of tattooing rendered the lips too sore to admit of drinking in the ordinary manner; and also several ancient fish-hooks and other articles. Captain Bollans, of the s.s. "Hinemoa," has kindly given an interesting series of articles carved from pumice-stone, found on Portland Island; several ancient bone fish-hooks, bone barbs, and spreaders; also a series of ten grinding stones.

Among many other articles of interest the following should be specified:—A remarkably fine bowl, probably stone-carved, for many years the property of Mr. John White, and now purchased from his widow; a beautiful specimen of the rare Kakakura Cloak, presented by Mr. Henry Brett, and of which only one other perfect example exists in the Dominion; a series of ancient fish-hooks, mostly found at Whangaroa, presented by Mr. Henry Winkelmann; an ancient carved Maihi, and 13 old Maori spades, donated by Mr. T. E. Smith; and finally a stone Toki, or adze, much larger and more finely finished than any other example previously existing in the Museum, presented by Mrs. S. R. James.

Quite apart from the reception of new additions and their arrangement for exhibition, a considerable amount of work has been done in the Museum, and many improvements effected. The collection of New Zealand birds has been overhauled, cata-

logged, and supplied with new printed labels prepared by the Curator. The type collection of minerals has been removed from the show-cases to allow the latter to be recleaned and repainted, and has been rearranged therein. The large Animal Cases in the Main Hall have been opened, cleaned both internally and externally, and the woodwork renovated. Many improvements have been made in the arrangement of the exhibits in the Maori Hall. Attention may be specially drawn to a new show-case, in which the fine series of Fish-hooks and Fishing appliances have been displayed; also to another case in which no small number of specimens illustrating the methods followed by the Maoris in the cutting and polishing of Greenstone have been placed. In addition to the above, several hundreds of descriptive printed labels have been prepared by the Curator, a work demanding much time and research. Finally, several minor changes have been made in the foreign ethnographical room. In short, the year has been one of considerable activity and energy, and has produced a corresponding advancement in the Museum.

This is not a suitable time to enumerate the many drawbacks and disadvantages, mostly caused by insufficient space, which impede the progress of the Museum, and which the natural growth of the collections brings into greater prominence every year. No enlargement of the buildings can be hoped for during the continuance of the war, or until a period of less financial stringency arrives. So far as a limited amount of additional room is concerned, however, it has been suggested that fuller use might be made of the present Statue Hall; and a Committee of the Council has been appointed to discuss the matter with the Curator, and to report at an early date.

LIBRARY.—The annual balance sheet shows that an expenditure of £197 2s 8d has been incurred on the Library during the year, £105 of which has been derived from the Mackechnie Library Bequest, and the remainder from the ordinary revenue of the Society. A consignment of about 60 volumes ordered from London was received last June, catalogued, and placed in the Library. A second order of somewhat similar extent was delayed for a time owing to the outbreak of the war, but is now being despatched from London, and will probably arrive about the end of March or beginning of April. In addition to the purchase of books, the magazines and serial publications subscribed to by the Institute, a list of which is given elsewhere, have been regularly received and made available for the use of readers in the Library. Some considerable expenditure has been incurred in binding the yearly sets derived from this serial literature, over 50 volumes having been placed in the Library from this source alone. The usual presentations and exchanges have been

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received from foreign societies, in addition to various donations from private individuals. A full list of all additions is appended to the report.

As the whole of the shelf-room in the Library has been gradually absorbed during the last three or four years, a new press has been erected, capable of accommodating from 750 to 800 volumes. This is the last addition of the kind that can be accommodated in the present room, but it will probably suffice for a couple of years or a little more. It is difficult to say how space for the natural growth of the Library can be found after the expiry of that period.

CONCLUSION.—In conclusion, the Council have to thank the members for the assistance and countenance they have given to the work of the Institute, and for the evidences they have shown of interest in its proceedings. They also wish to record the grateful thanks of the Society for the many donations made by members and others to the Museum and Library, and to express their gratification at the fact that such donations are steadily increasing from year to year. But it is also their duty to remind the members that in these days, when all eyes are turned upon the European War, and when financial stringency and retrenchment are everywhere prevalent, there is undoubted danger of the public support to deserving institutions being curtailed. Under these circumstances, it may be advisable to reiterate the claims which the Auckland Institute and Museum can advance for a continuance of such support and its expansion in the future, and which can be roughly arranged under three heads. It provides every year a system of public lectures, free to all-comers, on scientific subjects. It maintains a scientific library, in which the chief books published on science and its applications are regularly placed; many of these books being the only copies that find their way to Auckland. Lastly, it provides a public Museum, open every day without any restriction whatever, within which a vast amount of information on the natural history, productions, and resources of the Dominion is given in an orderly and convenient sequence, and within which are officials ready and willing to give any verbal explanations that are needed. The usefulness of the Museum is abundantly proved by the fact that it is visited every year by nearly 100,000 people, and that probably not far from 1,000 special inquiries made by visitors are attended to. Another argument, not often advanced, can be given in favour of Museums and Art Galleries is the fact that they are true indoor parks, available for the recreation of the public at those times when wet or stormy weather makes outdoor exercise difficult or inadvisable, and precludes the use of parks properly so-called. The Council claim that at such times, and at all times, it can be truly said that the citizens of Auckland can find within its Museum much to interest, to learn, and to instruct.

The Treasurer in Account with the Auckland Institute and Museum Trust Board.

I.—WORKING ACCOUNT.

February 19, 1914, to February 18, 1915.

	£	s.	d.		£	s.	d.
Balance in the Bank of New Zealand, February 19, 1914	579	11	0	Books, Periodicals, and other Expenditure on Library	197	2	8
Members' Subscriptions	322	7	0	Additions to Museum	504	11	0
Special Subscription	10	0	0	Museum Requisites	87	2	5
Interest from Costley Bequest	480	15	0	Salaries	719	9	11
Rents and Interest transferred from Museum Endowment Account	537	14	5	Printing, Advertising, Insurance, Gas, Annual Cleaning, Expenses of Meetings, Stationery, Postages, and other expenses	195	16	7
Interest transferred from Mackechnie Library Bequest Account	105	0	0	Museum Show-cases and Fittings, Repairs to Buildings	130	14	6
Interest from Campbell Bequest	56	3	10	Mortgage Tax	44	4	5
Interest from Nathan Bequest	5	10	0	Sundry Payments	12	17	6
Interest from Life Subscription Account	12	12	2	Balance in the Bank of New Zealand, February 18, 1915	218	9	7
Miscellaneous Receipts	0	15	2				
	£1,910	8	7		£1,910	8	7

T. F. CHEESEMAN, Treasurer.

I have examined the above account, and checked the books and vouchers in connection therewith. I hereby certify that the above is a correct statement of the working expenses and receipts to February 18, 1915.

S. GRAY, F.R.A., Auditor.

The Treasurer in Account with the Auckland Institute and Museum Trust Board.

II.—MUSEUM ENDOWMENT ACCOUNT.

	£	s.	d.		£	s.	d.
Balance in the Bank of New Zealand, February 19, 1914	2	11	10	Transferred to Investment Account	555	0	0
Endowments Sold	577	8	3	Transferred to Working Account	537	14	5
Rents of Endowments	157	12	5	Bank Charges	0	10	0
Interest on Investments	358	6	11	Balance in the Bank of New Zealand, February 18, 1915	2	15	0
	£1,095	19	5		£1,095	19	5

III.—MACKECHNIE BEQUEST ACCOUNT.

	£	s.	d.		£	s.	d.
Balance in the Bank of New Zealand, February 19, 1914	3	15	0	Transferred to Working Account for Purchase of Books	105	0	0
Interest on Investments	105	0	0	Bank Charges	0	10	0
	£108	15	0	Balance in Bank of New Zealand, February 18, 1915	3	5	0
					£108	15	0

T. F. CHEESEMAM, Treasurer.

Examined and found correct.

S. GRAY, F.R.A., Auditor.

Investments of the Auckland Institute.

I.—COSTLEY BEQUEST—

	£	s.	d.	£	s.	d.
On Mortgage at 6 per cent. ...	4,000	0	0			
On Mortgage at 6 per cent. ...	1,450	0	0			
On Mortgage at 6 per cent. ...	850	0	0			
On Mortgage at 6 per cent. ...	750	0	0			
On Mortgage at 6 per cent. ...	650	0	0			
				7,700	0	0
Invested in Site of Museum ...	2,500	0	0			
Expended in Erection of Maori Hall ...	1,500	0	0			
Expended in Show-cases and Fittings...	450	0	0			
				4,450	0	0

Total of Costley Bequest... 12,150 0 0

II.—MUSEUM ENDOWMENT—

On Mortgage at 6 per cent. ...	1,500	0	0
On Mortgage at 5 per cent. ...	1,300	0	0
On Mortgage at 6 per cent. ...	1,200	0	0
Dunedin Corporation $4\frac{1}{2}$ p.c. Debentures	1,000	0	0
On Mortgage at 6 per cent. ...	750	0	0
Auckland Gas Co.'s Debentures	600	0	0
On Mortgage at 6 per cent. ...	400	0	0
On Mortgage at 6 per cent. ...	350	0	0
On Mortgage at $5\frac{1}{2}$ per cent. (part Mortgage for £450) ...	135	0	0
	7,235	0	0

Less amount temporarily borrowed from
Bank of New Zealand to square In-
vestments ... 91 11 6

7,143 8 6

III.—MACKECHNIE LIBRARY BEQUEST—

Auckland Harbour Board $4\frac{1}{2}$ per cent. Debentures ...	1,000	0	0
On Mortgage at 6 per cent. ...	1,000	0	0
	2,000	0	0

IV.—CAMPBELL BEQUEST—

On Mortgage at 6 per cent. ...	500	0	0
On Mortgage at 6 per cent. ...	500	0	0
	1,000	0	0

V.—NATHAN BEQUEST—

On Mortgage at $5\frac{1}{2}$ per cent. (part Mortgage for £450) ...	100	0	0
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VI.—LIFE SUBSCRIPTION ACCOUNT—

On Mortgage at $5\frac{1}{2}$ per cent. (part Mortgage for £450) ...	215	0	0
On Deposit in Auckland Savings Bank...	23	0	0
	238	0	0

£22,631 8 6

Proportion Bearing Interest £18,181 8 6

T. F. CHEESEMAN, Treasurer.

I have examined the Deeds of the Securities, and the Bank Certi-
ficate of Debentures, and certify them to be in order.

S. GRAY, F.R.A., Auditor.

Form of Bequest.

*I give and bequeath to the Institution known
as the Auckland Institute and Museum the sum of
£ free of succession or estate duty,
to be applicable for the general purposes of such
Institution. And I declare that the receipt of the
Treasurer or the proper officer for the time being
of such Institution shall be a sufficient discharge
for the same.*

List of Benefactions
made to the
Auckland Institute and Museum
of an amount (or value) exceeding £50.

1876.

£2,026 subscribed by the citizens of Auckland towards meeting the cost of the first portion of the present Museum Buildings. (This sum included two donations of £500 each from Mr. Justice Gillies and the Hon. T. Williamson.)

1876.

Presentation made by Mr. R. C. Barstow of a large and varied collection of Maori articles, including flax and dog-skin cloaks, carvings, greenstone ornaments, bone and stone meres, fish-hooks, etc., etc.

1877.

Bequest from Mr. G. F. Edmonston of 564 volumes of standard works on Physical and Natural Science.

1878.

Donation from Mr. T. Russell, C.M.G., of 34 plaster-casts and busts from the antique.

1878.

£106 donated by Mr. J. C. Firth to cover the expense of show-cases in the Museum.

1879-1883.

Mr. J. T. Mackelvie presented 260 volumes of books relating to the early history of New Zealand; 130 volumes of miscellaneous scientific works; a collection of ethnographical specimens from the Swiss Lake Dwellings; and 40 picked mineral specimens.

1884.

Bequest from Mr. Edward Costley of £12,150.

1887.

Bequest from Mr. David Nathan of £100.

1887.

Bequest of Maori articles from Mr. C. O. Davis, comprising dog-skin and feather mats; taiahas, paddles, spears; bone and wooden meres; carved boxes; and a variety of other articles.

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1897-1898.

Donation of £100 from Mr. T. Russell, to cover the expense of forming a collection of geological specimens from the Cape Colville Peninsula.

1901.

Japanese Shinto Shrine, elaborately lacquered and decorated, presented by Mr. L. D. Nathan.

1901-1902.

£1,000 subscribed by the citizens of Auckland for the purchase of the Mair Collection of Maori Ethnographical Articles.

1902-1903.

Bequest of £2,500 from Mr. E. A. Mackechnie (£2,000 to be invested in order to produce an income for the purchase of books for the Library of the Institute; £500 to be expended in providing groups of the larger mammals and the necessary show-cases.)

1906-1907.

£662 subscribed by the citizens of Auckland for the purchase of Mr. Fenton's elaborately carved Pataka, and for the purchase and erection of the Runanga House, Rangitihi.

1911-1912.

£684 subscribed by the citizens of Auckland for the purchase of ancient historic Maori Carvings; and for other additions to the Museum.

1913.

Bequest of £1,000 from Sir John Logan Campbell.

1913.

Donation from Mr. Henry Shaw of 62 volumes of Geographical and Scientific works, and of 110 volumes from Mr. F. Shaw.

1913.

Unusually large and complete collection of Kauri Gum, containing 400 examples, together with the plate-glass show-case containing the same, presented by the Hon. E. Mitchelson.

Additions and Donations to the Library and Museum.

- Parliamentary Papers and Reports; New Zealand Hansard for 1914; New Zealand Official Year Book; New Zealand Statistics for 1912-1913; New Zealand Parliamentary Record; Official Record of the Constitution and Parliaments of New Zealand; Municipal Handbook of New Zealand for 1913; Annual Report of the Department of Agriculture for 1913 and 1914; Journal of Agriculture; Hocken's Early History of New Zealand; Hamilton's Trout-fishing and Sport in Maoriland; McNab's Historical Records of New Zealand, vol. 1; Spackman's Trout in New Zealand; Hudson's Manual of New Zealand Entomology; Bell's Mr. Oseba's Last Discovery; Mackay's Grasses and Forage Plants; Tregear and Percy Smith's Niue Dialect; Hocken's Bibliography of New Zealand Literature; Cowan's Official Record of the New Zealand International Exhibition:—The New Zealand Government.
- Bulletin of the Geological Survey of New Zealand, No. 16; Materials for the Palaeontology of New Zealand:—The Geological Survey of New Zealand.
- Transactions of the New Zealand Institute, vol. 46; Bulletins No. 1, parts 1, 2, and 3; No. 2; No. 3, parts 1 and 2:—The New Zealand Institute.
- Journal of the Polynesian Society, vol. 23:—The Society.
- Journal of the Linnean Society of New South Wales, vol. 38, part 4; vol. 39, parts 1 to 3:—The Society.
- Records of the Australian Museum, vol. 10, parts 8 to 10:—The Museum.
- Critical Revision of the Genus *Eucalyptus*, vol. 2, part 10, and vol. 3, part 1:—J. H. Maiden.
- Annual Report of the Fisheries Department; Biological Results of Fishing Experiments in the Endeavour; Zoological Results of the same, vol. 1, part 4, and vol. 2, parts 3, 4, and 5:—The Commonwealth Bureau of Fisheries.
- Bulletins of the Commonwealth Bureau of Meteorology:—The Bureau.
- Australian Zoologist, vol. 1, part 1:—The Zoological Society of New South Wales.
- Baker and Smith's Research on the Pines of Australia; Baker's Cabinet Timbers of Australia; Baker's Building and Ornamental Stones of New South Wales; Guide-book to the Technological Museum, Sydney:—The Technological Museum.
- The Australian Naturalist for 1913-1914:—The Editor.
- Proceedings of the Royal Society of Victoria, parts of vol. 26:—The Society.

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- Memoirs of the National Museum, Melbourne, No. 5:—The Museum.
- Memoirs of the Queensland Museum:—The Museum.
- Occasional Papers of the Bishop Museum, Honolulu, vol. 5. No. 5; and vol. 6, No. 1:—The Bishop Museum.
- Report of the United States National Museum for 1913; Proceedings of the United States National Museum, vols. 45, 46; Contributions to the United States National Herbarium, parts of vols. 17 and 18; Bulletins of the United States National Museum, Nos. 50, 84-85-86-87:—The U.S. National Museum.
- Publications of the American Bureau of Ethnology, Bulletins 53, 56, and 57:—The Bureau.
- Fauna Hawaiiensis, 3 vols:—The Bishop Museum, Honolulu.
- Chittenden's Rose-slug Caterpillar; Chittenden's Florida Fern Caterpillar; Index to recently described Coccidae; McAtee's Index to papers on the Food of Birds; Malloch's American Black Flies; Journal of Agricultural Research, vol. 2; Bulletins 78, 88, 90, 92, 93, 95, 96, 111, 118; Farmer's Bulletin No. 595; North American Fauna, No. 36:—The U.S. Department of Agriculture.
- Collins's Geology of Gowganda; Economic Minerals and Mining Industries of Canada; Bulletins of the Victoria Museum, Ottawa; Cairnes' Atlin District; Lindeman's Iron-bearing Districts of New Brunswick; Malcolm's Oil and Gas Prospects of North-west Canada; Bancroft's Geology of Islands in Queen Charlotte Sound; McLeish's Mineral Production of Canada; Guide Books for Excursions in Canada; Ries and Keele's Clay and Shale Deposits of West Canada; Cairnes' Wheaton District, Yukon; Young's Bathurst District, New Brunswick; O'Neill's Rougemont Mountains, Quebec; Kalm's Preparation of Metallic Cobalt; Dresser's Serpentine and Associated Rocks; Dowling's Gas Fields of Alberta; Malcolm's Radium-bearing Minerals; Lawson's Archæan Geology of Rainy Lake; Lindeman's Moose Mountain Iron-bearing District; Wilson's Copper Smelting Industries of Canada; Malcolm's Goldfields of Nova Scotia; Stope's Carboniferous Flora of St. Johns; Museum Bulletins:—The Geological Survey of Canada.
- Annals of Harvard College Observatory, vol. 73, part 1:—The Observatory.
- Annual Report of the Field Museum, Chicago, for 1913; Botanical Reports, vol. 2:—The Museum.
- Publications of the Philippine Weather Bureau for 1913-1914:—The Bureau.
- Boletim de Bosques Pesca i Caza for 1913-1914:—The Chilian Forestry Department.
- Annals of the National Observatory of Rio de Janeiro:—The Observatory.
- Annual Report of the Bulawayo Museum, Rhodesia:—The Museum.
- Anales del Museo Nacional de Buenos Ayres, tomo 24:—The Museum.
- Boletim del Instituto Geologico de Mexico, tomo 4, Nos. 2-10:—The Geological Survey of Mexico.
- Kew Bulletin for 1913-1914; Icones Plantarum, parts of vol. 10:—The Director, Kew.
- Year Book of the Royal Colonial Institute for 1914; The Empire Journal for 1914:—The Royal Colonial Institute.
- The Museums' Journal for 1914:—The Museums Association.
- Symons' Meteorological Magazine for 1914:—The Editor.
- Report of the Dublin Museum of Science and Art for 1911-1912 and 1912-1913; various Bulletins:—The Museum.
- Archives of Anatomy and Anthropology, No. 1:—The University of Lisbon.

- Annals of the Malacological Society of Belgium for 1912:—The Society.
 Various publications of the Hamburg Museum:—The Museum.
 Annals of the Ryks Herbarium, Leiden, parts 15-20:—The Ryks Herbarium.
 Guthrie Smith's Mutton Birds and other Birds:—The Author.
 Boulger's Familiar Trees, vols. 1 and 2:—Mrs. C. A. Lyon.
 Various Numbers of Bedrock and the Hibbert Journal:—D. Petrie.
 The Country-side Monthly for 1914.
 The Emu for January, 1914; Matthews' Reference List of the Birds of New Zealand; Matthews' and Iredale's Strange New Zealand Woodhens:—W. R. B. Oliver.
 Haussknecht's Monograph of Epilobium; Domin's Monograph of Koeleria; Thellung's Monograph of Lepidium; Wettstein's Monograph of Euphrasia; Hegelmeier's Monograph of Callitriche; Hegelmeier's Lemnaceae; Handel-Mazetti's Monograph of Taraxacum; Cheeseman's Illustrations of the New Zealand Flora, 2 vols:—T. F. Cheeseman.
 Hopkin's Humble Bee in New Zealand:—The Author.
 Pocock's English Church Furniture; Cook's Biology; Jones and Liveking's Manual of Pathological Anatomy:—R. Cranwell.

BOOKS PURCHASED.

- Ostwald's Outlines of General Chemistry, 3rd edition.
 Roscoe and Harden's New View of Dalton's Atomic Theory.
 Minchin's Introduction to the Protozoa.
 Crubb and Guilford's The Potato.
 Clinton Baker's Illustrations of Conifers, vol. 3.
 Schlich's Manual of Forestry, 5 vols.
 Rehnagel's Theory and Practice of Forest Organisation.
 Maw's Practice of Forestry.
 Marshall Ward's Timber and its Diseases.
 Idding's Igneous Rocks, vol. 2.
 Gregory's Nature and Origin of Fiords.
 The Coal Resources of the World, 3 vols. and atlas.
 Frazer's Psyche's Task.
 Jade: a Study in Chinese Archaeology and Religion.
 Bosanquet's Value and Destiny of the Individual.
 Griffen's Statistics, 1898-1900.
 Lovat's Life of Sir Frederic Weld, 1914.
 Knoop's Outlines of Railway Economics.
 Grove's British Rust Fungi.
 Jorgensen's Micro-organisms and Fermentation.
 Gildreister and Hoffmann's Volatile Oils.
 Wright's Origin and Antiquity of Man.
 Powell's Co-operation in Agriculture.
 Findlay's Osmotic Pressure.

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Claude's Liquid Air, Oxygen, and Nitrogen.
 Paton's Nervous and Chemical Regulators of Metabolism.
 Keynes's Indian Currency and Finance.
 Thorndike's Introduction to the Theory of Mental and Social Measurements.
 Wood's Modern Road Construction.
 Levy's Economic Liberty.
 Engler and Drude's Die Vegetation der Erde, parts 8 and 12.
 McNab's The Old Whaling Days.
 Guilfoyle's Australian Plants suitable for Gardens, Parks, etc.
 Andersen's Maori Life in Aotea.
 Trollope's Australia and New Zealand.
 Jackson Barry's Glimpses of the Australian Colonies and New Zealand.
 Matthews' List of the Birds of Australia.
 Hamilton-Browne's With the Lost Legion in New Zealand.
 Cowan's Adventures of Kemble Bent.
 Rev. J. W. Stack's Koro.
 Lindsay Buick's The Treaty of Waitangi.
 Macmillan Brown's Maori and Polynesian.
 Swainson's Observations on the Climate of New Zealand.
 Muschler's Manual Flora of Egypt, 2 vols.
 Urban's Symbolae Antillanae, 3 vols.

Skins of Red Kangaroo; skin of *Lemur Catta*; skin of *Macacus nemestrinus*; skin of Himalayan Sun-bear:—Received from the Orehunga Zoo, per the proprietor, Mr. Boyd.

17 Specimens of Spotted Shag (*Phalacrocorax punctatus*), adults and young, and eggs of the same:—Collected for the Museum, with various accessory specimens, to form the basis of a group illustrating the breeding habits of the species.

Australian Shrike (*Graucalus melanops*), obtained at Taranaki:—B. F. Booker.

Skin of Kakakura Parrot (*Nestor meridionalis* var.):—C. Davis, per G. A. Hodge.

Eggs of *Rollus phillipensis*:—G. Clinch.

Two Skins of *Sericulus melinus* from Northern Queensland:—Archdeacon Walsh.

Australian Swamp Quail:—D. Anderson.

Giant Petrel (*Ossifraga gigantea*):—H. Norton.

Albino Skylark:—C. Seddon.

Series of 10 Bird-skins from the Kermadec Islands:—W. R. B. Oliver.

Nest and Eggs of Fern-bird (*Bowdleria punctata*):—P. W. Barlow.

Egg of Shining Cuckoo (*Chrysococcyx lucidus*):—W. W. Smith.

Three Tibiae of Moa (*Dinornis maximus*):—G. Graham.

Tibia of Moa, from Kaiwaka, Kaipara:—R. Hastie.

Green Lizard (*Naultinus punctatus*):—G. Bull.

- Tree Lizard (*Dactylocnemis granulatus*) :—Judge McCormick; Dr. Levinge.
Hag-fish (*Heptatremia cirrhata*) :—Mr. Simmonds.
Raja nasuta, stranded at Houhora :— F. F. Wagener.
Pipe Fish (*Syngnathus sp.*) :—Mrs. Hamilton; R. C. Wright.
Fishes collected by the Cable Steamer "Iris," near Fanning Island :—Dr. Ferguson.
Series of specimens illustrating the ravages of the *Teredo*, *Limnoria*, and other marine borers, with the plate-glass show-case containing them :—The Auckland Harbour Board.
Collection of Corals from Fiji :—W. Beddows.
Beak of Giant Cuttle Fish over 8 feet in length, and weighing 15 cwt :—Stanley E. Williams.
Two Echinoderms dredged in Foveaux Straits :—Captain Bollons.
Large parcel of specimens of *Haliotis iris* :—H. Haines.
Twenty specimens of *Paryphanta Bushyi*, with eggs, from Broadwood, Hokianga :—Mr. Mackenzie.
Specimens of *Hepialus virescens* and *Heterostoma platycéphala* :—C. T. Harris.
Specimens of *Macrothele Huttoni* :—A. E. Jenkins; R. J. Miller.
New Zealand Shells; large Hermit Crab :—A. Blackwell.
Series of Lode Specimens and Auriferous Quartz from the Talisman Mine, Karangahake, together with the plate-glass show-case enclosing it :—The Talisman Gold Mining Co.
Extensive series of New Zealand Fossils :—The Geological Survey Department.
Large slab of Crystalline Limestone, containing ribs of a Cetacean (?), from Waro, Hikurangi :—E. W. Tatley, per Mr. Reid, Mines Department.
Diamond Drill Cores of Rocks passed through in boring for Coal at Hikurangi :—A. Carter.
Specimens of Cinnabar from Puhupuhi :—G. F. Webster; Dr. Good.
Leaf impressions from Waingaro :—J. H. Upton.
Leaf impressions from near Lake Waihi :—W. Davies.
Silicified Wood :—Dr. Marsac.
Fossil Shells from Waingaro :—Mr. Macfarlane.
Fossil Shells from Okahukura, Ongarue :—Dr. Marsac.
Fossil Shells from Motutapu Island :—G. Arkle.
Wood-opal; silicified wood, various other minerals :—Colonel Boscawen.
Three specimens of silicified wood from Tairua :—W. Niccol.
Extensive series of 336 articles in Greenstone, bone, and ordinary stone, collected by Mr. Smith on Maori kitchen middens in Murdering Bay, near Dunedin, in the years 1874-1878 :—Purchased.
Elaborately Carved Ancient Whakapapa, or Genealogical Tree, obtained in the Urewera Country during the Maori War :—Purchased.
Unusually large and fine Greenstone Hei-tiki, formerly the property of the Chief Hongi Hika :—Purchased.
Ancient Carved Bowl, probably stone carved, formerly the property of the late Mr. John White :—Purchased.

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- Carved Side posts of a Maori Doorway; Ancient Tekoteko apparently stone carved; double-faced figure containing a lock of hair and other remains; Carved Burial Memorial:—Purchased.
- Elaborately Carved Ipu, or box for holding preserved birds; Carved Calabash, used for serving up human flesh:—Mr. John Kenderdine.
- Unusually large and well-finished Stone Toki, or Adze, 16 inches long:—Mrs. S. R. James.
- Thirteen Maori Spades, or Ko; Carved Maihi, or Gable-board:—T. E. Smith.
- Four Kumara Spades; two Foot-rests for ordinary spades:—Wilson Bros.
- Very fine and well-made Cloak covered with feathers from the rare variety of the Kaka Parrot called Kakakura:—H. Brett.
- Series of over 100 Fishing Weights and Net-sinkers, obtained near Waitara:—W. W. Smith.
- Three unusually long Ko, or Spades:—Hon. E. Mitchelson.
- Carved Burial Chest; roll of Totara Bark used for carrying bones to a burial cave; Human Jawbone with the jawbone of a child lashed inside; two Wooden Implements of doubtful use:—Collected by the Museum.
- Five Ancient Fish-hooks; two Wooden Awls; Teeth of a Wooden Comb; Beads from a Necklace:—H. Winkelmann.
- Series of Pumice-stone Carvings from Portland Island; series of Bone Fish-hooks, Bone Barbs, and Spreaders; ten Maori Grinding Stones:—Captain Bollons, s.s. "Hinemoa."
- Carved Wooden Funnel, or Korere, formerly the property of the Chief Wiripo Patene; Carved Bone Manaia, belonging to the same chief; two Pawa-shell Fish-hooks with Bone Barbs; Figure-head of small River Canoe:—G. Graham.
- Greenstone Adze; four ordinary Stone Axes:—Dr. Marsac.
- Greenstone Chisel:—H. B. Devereux.
- Ear Pendant made from part of the skull of a large fish; three Maori Grinding Stones from the Great Barrier Island:—T. J. Medland.
- Three Stone Axes; Carved Bone Cup made from a vertebra of the Black-fish; Figure-head of small Fishing Canoe:—Col. Boscawen.
- Large Bone Needle:—F. J. Williams.
- Nine Stone Axes; portion of Sternpost of Canoe:—R. Hastie.
- Carved Bowl, or Ipu (replica):—Mrs. Daykin.
- Stone Axe:—Mr. Murray.
- Stone Axe:—A. Cooper.
- Pekapeka found at Kaiwaka, Kaipara; Greenstone Adze from Waikiekie; Ancient Stone Carving found in the Piako Swamp; Carved Lid of Burial Chest; Carved Coffin from the Apostles Ravine, Whangaroa:—Purchased.
- Old Flintlock Pistol:—D. Munro.
- Drawing of Tatooing made by General Robley:—A. E. Bankart.
- Three Letters written by Te Kooti:—H. G. Armstrong.
- Blow-pipe from British Guiana; Wooden Club:—Judge Hewick.

Ten Bracelets; one Shell Necklace; three lots Beadwork, all from British Central Africa :—Rev. Mr. Johnson.

Shark Tooth Sword from the Kingsmill Islands, Polynesia :—Mrs. Dickson.

Bronze Copy (reduced) of the famous Aztec Calendar Stone :—H. E. Partridge.

Two Bowls of Native-made Pottery from Tasmate Santo, New Hebrides :—Mr. Morris.

Long Club with Curved Blade from the Solomon Islands; one Fijian Club; one small Club; large New Guinea Shield; large New Guinea Drum :—Purchased.

27 Copper Coins :—L. J. Pattison.



LIST OF MEMBERS

For the Year ending March 31st, 1915.

(With Postal Addresses.)

(Members are requested to advise the Secretary of any change of Address.)

[Honorary and Life Members distinguished thus *.]

- | | |
|---|--|
| Abel, R. S., care of Abel, Dykes & Co., Shortland Street, Auckland. | Bankart, A. S., Shortland Street, Auckland. |
| Abbott, R. H., Elliott Street, Auckland. | X Barr, J., Public Library, Wellesley Street, Auckland. |
| Adlington, Miss H., District High School, Paeroa. | Bartrum, J. A., University College, Auckland. |
| Aickin, G., Queen Street, Auckland. | *Bates, T. L., Brookfield, Alfred Street, Waratah, Newcastle, N.S.W. |
| Aldis, M., Empire Buildings, Swanson Street, Auckland. | Batger, J., Mount Eden Road, Auckland. |
| Alexander, L. W., Beauvoir, Hurstmere Road, Takapuna. | Bell, T., care Union Oil, Soap & Candle Co., Albert Street, Auckland. |
| Alison, A., Devonport Ferry Co., Auckland. | Benjamin, E. D., care L. D. Nathan & Co., Shortland Street, Auckland. |
| Alison, E. W., Devonport Ferry Co., Auckland. | Benjamin, L., care Hayman & Co., Custom Street East, Auckland. |
| Allen, John, Cheltenham, Devonport. | X Biss, N. L. H., Shortland Street, Auckland. |
| Arey, W. E., Victoria Arcade, Auckland. | Blair, J. M., Market Road, Epsom. |
| Ardern, P. S., Remuera. | Bloomfield, J. L., St. Stephen's Avenue, Parnell. |
| Armitage, F. L., Gleeson's Buildings, High Street, Auckland. | Bond, Elon, Commerce Street, Auckland. |
| Arnold, C., Swanson Street, Auckland. | Bowyer, S. B., care Auckland Institute, Auckland. |
| Arnoldson, L., Quay Street, Auckland. | Bradley, S., Onehunga. |
| Bagnall, L. J., Wynyard Street, Auckland. | Brett, H., "Star" Office, Shortland Street, Auckland. |
| Baker, G. H., Commerce Street, Auckland. | Briffault, R., M.B., Mt. Eden Road, Auckland. |
| Ball, W. T., Sylvan Avenue, Mount Eden. | Brooke-Smith, E., Manukau Road, Parnell. |
| Bamford, H. D., LL.D., Bank of New Zealand Buildings, Auckland. | Broun, Major T., F.R.S., Mt. Albert, Auckland. |
| | Brown, Alan, care Bamford & Brown, Bank of New Zealand Bldgs., Auckland. |

- Brown, E. A., Cleave's Buildings, High Street, Auckland.
- Brown, Prof. F. D., care of Auckland Institute, Auckland.
- Brown, John, Beresford Street, Bayswater, Devonport.
- Bruce, W. W., Swanson Street, Auckland.
- *Buchanan, A., Victoria Avenue, Remuera.
- Buddle, C. F., Wyndham Street, Auckland.
- Buddle, T., Wyndham Street, Auckland.
- Burns, R., Custom Street East, Auckland.
- Burnside, W., Education Offices, Auckland.
- Burt, A., care A. T. Burt & Co., Custom Street West, Auckland.
- *Burton, Col., The Grove, Branksome Park, Bournemouth, England.
- Bush, W. E., City Engineer's Office, Town Hall, Auckland.
- Butler, Miss, Girls' Grammar School, Auckland.
- Buttle, J., N.Z. Insurance Co., Queen Street, Auckland.
- Campbell, J. P., care Thorne, Campbell & Thorne, Wyndham Street, Auckland.
- Casey, Maurice, Hamilton Road, Ponsonby.
- Cheal, P. E., Upper Queen Street, Auckland.
- Cheeseman, T. F., F.L.S., Museum, Auckland.
- Choyce, H. C., Remuera Road, Remuera.
- Clark, A., Wellesley Street, Auckland.
- Clark, H. C., care of Arch. Clark & Sons, Wellington.
- Clark, M. A., Wellesley Street, Auckland.
- Clay, T. B., care S. Vaile & Sons, Queen Street, Auckland.
- Clifford, J. M., P.O. Box 756, Auckland.
- Coates, T., Orakei, Auckland.
- Coe, James, Mt. Eden Road, Auckland.
- Cole, Rev. R. H., Walford, Gladstone Road, Parnell.
- Cole, W., Mt. Eden Road, Auckland.
- Coleman, J. W., Lower Queen Street, Auckland.
- Coleman, W., Imperial Buildings, Queen Street, Auckland.
- Commons, W. M., Wilson's Portland Cement Co., Shortland Street, Auckland.
- Combes, F. H., Victoria Avenue, Remuera.
- Cooper, C., Bourne Street, Mt. Eden.
- Cooper, Mr. Justice, Judge's Chambers, Auckland.
- Cory-Wright, S., B.Sc., University College, Auckland.
- Cousins, H. G., Normal School, Wellesley Street, Auckland.
- Court, G., Karangahape Road, Auckland.
- Court, J., Ponsonby, Auckland.
- Craig, J. J., Queen Street, Auckland.
- Cranwell, R., Crescent Road, Parnell.
- Cuff, J. C., F.S.A., Emerald Hill, Epsom, Auckland.
- Currie, J. C., care J. Currie, Queen Street, Auckland.
- Davis, Elliott R., Hancock & Co., Custom Street East, Auckland.
- Davis, Ernest, Hancock & Co., Custom Street East, Auckland.
- Dearsley, H., P.O. Box 466, Auckland.
- De Clive Lowe, Dr., Symonds Street, Auckland.
- Dempsey, J., Newmarket.
- Dennin, John, care Hon. E. Mitchellson, Waimauku.
- Dettmann, Professor H. S., University College, Auckland.
- Devereux, H. B., Market Road, Epsom, Auckland.
- Devore, A. E. T., Wyndham Street, Auckland.
- Dickenson, J. C., Public School, Ponsonby.
- Dove, J. C., Australian Hardwood Co., Mechanics' Bay, Auckland.
- Downard, F. N. R., Public School, Kuaotunu.
- Duthie, D. W., National Bank of New Zealand, Queen Street, Auckland.
- Earl, F., Swanson Street, Auckland.
- Edgerley, Miss K., Girls' Grammar School, Auckland.
- Edson, J., Waimarama, Tudor Street, Devonport.

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- Egerton, Professor C. W., University College, Auckland.
- Ellingham, W. R., Custom Street East, Auckland.
- Elliott, G., Bank of N.Z. Buildings, Queen Street, Auckland.
- Ellis, J. W., Hamilton, Waikato.
- Ellison, T., Ellison's Buildings, Queen Street, Auckland.
- Endean, J., Jermyn Street, Auckland.
- Entrican, A. J., Customs Street East, Auckland.
- Ewington, F. G., Durham Street, Auckland.
- Fairclough, Dr. W. A., Watson's Buildings, Queen Street, Auckland.
- Farrell, R., Anglesea Street, Auckland.
- Favell, Rev. H. A., Picton Street, Auckland.
- Fenwick, Dr. G., Premier Buildings, Queen Street, Auckland.
- Fleming, J., 142, Grafton Road, Auckland.
- Florance, R. S., Stipendiary Magistrate, Gisborne.
- *Fowlds, Hon. G., Queen Street, Auckland.
- Frater, J. W., care R. Frater, Stock Exchange, Auckland.
- Garrard, C. W., M.A., Education Office, Auckland.
- George, G., Technical College, Wellesley Street, Auckland.
- George, Hon. S. T., St. Stephen's Avenue, Parnell.
- Gerard, E., Custom Street East, Auckland.
- Gilbert, T., Manukau Road, Parnell.
- Gilfillan, H., St. Stephen's Avenue, Parnell.
- Girdler, Dr., Khyber Pass Road, Auckland.
- Gleeson, J. C., Selwyn Lodge, Parnell.
- Gleeson, P., Selwyn Lodge, Parnell.
- Goldie, D., Breakwater Road, Auckland.
- Gordon, H. A., Ranfurly Road, Epsom.
- Gorrie, H. T., A. Buckland & Sons, Albert Street, Auckland.
- Gould, A. M., care Parr & Blomfield, Shortland Street, Auckland.
- Graham, G., Tudor Street, Devonport.
- Graham, J. B., Tudor Street, Devonport.
- Grant, Miss J., M.A., Devonport.
- *Gray, A., Smeeton's Buildings, Queen Street, Auckland.
- Gray, M. D., 93, Queen Street, Auckland.
- Gray, S., Mount Eden Borough Council Offices, Mt. Eden.
- Gribbin, G., Nicholson & Gribbin, Queen Street, Auckland.
- Griffin, L. T., Museum, Auckland.
- Gunson, J. H., Custom Street West, Auckland.
- Gunson, R. W., Custom Street West, Auckland.
- Haddow, J. G., Wyndham Street, Auckland.
- Haines, H., F.R.C.S., Shortland Street, Auckland.
- Hall, Edwin, Carlton Street, Hillsborough, Onehunga.
- Hamer, W. H., C.E., Harbour Board Offices, Auckland.
- Hanna, A., Queen Street, Auckland.
- Hansard, G. A., Shortland Street, Auckland.
- Hansen, P. M., Queen Street, Auckland.
- *Hardie, J. C., Hardie Bros., Queen Street, Auckland.
- Harding, A. E., Maungawhare, Northern Wairoa, Auckland.
- Hardy, C. J., 23, Hobson Road, Parnell.
- Hawkins, Rev. Archdeacon H. A., Remuera.
- Hav, Douglas, Stock Exchange, Queen Street, Auckland.
- Hav, D. A., Montpellier Nursery, Remuera.
- Hazard, W. H., Queen Street, Auckland.
- Heath, H. W., Alfred Street, Auckland.
- Heather, H. D., Custom Street East, Auckland.
- Herbert, T., Shortland Street, Auckland.
- Hesketh, H. R., Wyndham Street, Auckland.
- Hesketh, S., Wyndham Street, Auckland.
- Holderness, D., Harbour Board Offices, Auckland.

- Holgate, Col., care Northern Coal Co., Custom Street, Auckland.
- Horton, E., "Herald" Office, Auckland.
- Horton, H., "Herald" Office, Auckland.
- Houghton, C. V., N.Z. Shipping Co., Quay Street, Auckland.
- Hutchinson, G. R., care Hutchinson Bros., Custom Street, Auckland.
- Hutchinson, W. E., Hobson Street, Auckland.
- Inglis, Dr. R. T., "Maroondah," Ponsonby Road, Auckland.
- Jackson, J. H., Custom Street East, Auckland.
- Jagger, A. T., care Jagger & Harvey, Queen Street, Auckland.
- Jagger, Frank, Arney Road, Remuera.
- James, J. W., Mt. Albert.
- Johnson, H. Dunbar, Mangahenga, Te Aroha.
- Johnson, Professor J. C., University College, Auckland.
- Johnstone, Halliburton, Howick.
- Jones, H. W., Public School, Papakura.
- Kenderdine, J., Sale Street, Auckland.
- Kent, B., Gladstone Road, Parnell.
- Kent, G. S., St. Stephen's Avenue, Parnell.
- Keyes, A., Birkenhead.
- Kronfeld, G., Custom Street, Auckland.
- Lamb, R. S., 55, Pitt Street, Sydney, New South Wales.
- Lamb, S. E., B.Sc., University College, Auckland.
- Lancaster, F. L., University College, Auckland.
- Lang, Hon. F. W., M.P., Onehunga.
- Langguth, E., Custom Street West, Auckland.
- Larkin, H., Harbour Board Offices, Auckland.
- Leighton, F. W., High Street, Auckland.
- Lennox, J. M., Remuera.
- *Lennox, N. G., care Auckland Institute, Auckland.
- Lewis, Dr. T. H., Remuera.
- Leyland, W. B., Leyland & O'Brien, Custom Street West, Auckland.
- Leys, Cecil, "Star" Office, Shortland Street, Auckland.
- Leys, T. W., "Star" Office, Shortland Street, Auckland.
- Lindsay, Dr. P. A., O'Rorke Street, Auckland.
- Lloyd, Trevor, "Herald" Office, Auckland.
- Lunn, A. G., care Collins Bros., Wyndham Street, Auckland.
- Mackay, J. G. H., Ellison Chambers, Queen Street, Auckland.
- Maclean, Murdoch, Mount Albert.
- *Macmillan, C. C., care Gibson Macmillan, Waingaro.
- Mahoney, E., Shortland Street, Auckland.
- Mahoney, T., Swanson Street, Auckland.
- Mair, Capt. G., Waiotapu, Rotorua.
- Mair, S. A. R., Hunterville, Wellington.
- Major, C. T., King's College, Remuera.
- Makgill, Dr. R. H., Public Health Office, Auckland.
- Marriner, H. A., N.Z. Insurance Co., Queen Street, Auckland.
- Marsack, Dr., care Auckland Institute, Auckland.
- Martin, J., Victoria Arcade, Queen Street, Auckland.
- McDowell, Dr. W. C., Remuera.
- McFarlane, T., C.E., Victoria Arcade, Queen Street, Auckland.
- McGregor, W. G., Shortland Street, Auckland.
- McKenzie, Capt. G., Devonport.
- McKenzie, Dr. Kenneth, O'Rorke Street, Auckland.
- McMurray, Rev. G., St. Mary's Vicarage, Parnell.
- McVeagh, R., care Russell & Campbell, High Street, Auckland.
- Mennie, J. M., Albert Street, Auckland.
- Metcalf, H. H., C.E., Palmerston Buildings, Queen Street, Auckland.
- Miller, E. V., Chelsea, Auckland.

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- Milnes, H. A. E., Training College, Wellesley Street, Auckland.
- Milroy, S., Kauri Timber Co., Custom Street W., Auckland.
- Milsom, Dr. E. H. B., 18, Waterloo Quadrant, Auckland.
- Mitchelson, Hon. E., Waitaramoa, Remuera.
- Moore, J. E., Esplanade Road, Mount Eden.
- Morrison, A. R., Palmerston Buildings, Queen Street, Auckland.
- Morrison, W. B. A., Hobson Buildings, Shortland Street, Auckland.
- Morton, E., Custom Street East, Auckland.
- Morton, H. B., One Tree Hill, Epsom.
- Moss, E. G. B., Swanson Street, Auckland.
- Mowlem, A. M., National Insurance Buildings, Queen Street, Auckland.
- Mulgan, E. K., Education Office, Auckland.
- Mvers, A. M., M.P., Campbell Ehrenfried Co., Queen Street, Auckland.
- Napier, W. J., A.M.P. Buildings, Queen Street, Auckland.
- Nathan, D. L., L. D. Nathan & Co., Shortland Street, Auckland.
- *Nathan, N. A., L. D. Nathan & Co., Shortland Street, Auckland.
- Nathan, S. J., Princes Street, Auckland.
- Neve, F., Technical College, Wellesley Street, Auckland.
- Newton, G. M., "Herald" Buildings, Queen Street, Auckland.
- Nicol, G., Custom Street West, Auckland.
- Nichol, J. W., 205, Victoria Arcade, Queen Street, Auckland.
- Nicholson, O., Imperial Buildings, Queen Street, Auckland.
- Oliphant, P., 24, Symonds Street, Auckland.
- *Oliver, W. R. B., H.M. Customs, Auckland.
- Osmond, G. B., Royal Insurance Buildings, Queen Street, Auckland.
- Owen, Professor G., University College, Auckland.
- Pabst, Dr., Hobson Buildings, Shortland Street, Auckland.
- Parr, C. J., C.M.G., Parr & Blomfield, Shortland Street, Auckland.
- Partridge, H. E., Queen Street, Auckland.
- Patterson, G. W. S., Shortland Street, Auckland.
- Peacock, T., Queen Street, Auckland.
- Peak, A., care Walker & Peak, Wyndham Street, Auckland.
- Petrie, D., Rosmead, Epsom.
- Philson, W. W., Colonial Sugar Co., Quay Street, Auckland.
- Player, Dr. C. E., Birkenhead, Auckland.
- Pond, J. A., F.C.S., Queen Street, Auckland.
- Porter, A., care E. Porter & Co., Queen Street, Auckland.
- Porter, Dr. A. H., Dominion Road, Mount Eden.
- Pountney, W. H., Commerce Street, Auckland.
- Powell, F. E., C.E., Ferry Buildings, Queen Street, Auckland.
- Price, E. A., care Buchanan & Co., Albert Street, Auckland.
- Pryor, S. H., 36, Pencarrow Avenue, Mt. Eden.
- Purchas, Dr. A. C., Carlton Gore Road, Auckland.
- Pycroft, A. T., Railway Offices, Auckland.
- Ralph, W. J., Princes Street, Auckland.
- Rangihirua, Dr., Bay of Islands.
- Rawnsley, S., Quay Street, Auckland.
- Reid, J., 45, Fort Street, Auckland.
- Renshaw, F., Sharland & Co., Lorne Street, Auckland.
- Rhodes, C., Renaki, Remuera.
- Robb, J., Victoria Avenue, Mount Eden.
- Robertson, A. B., Custom Street East, Auckland.
- Robertson, Dr. E., Market Road, Remuera.
- Robertson, Dr., Carrick, Alfred Street, Auckland.
- Roche, H., Horahora, near Cambridge, Waikato.
- Rolfe, W., care Sharland & Co., Lorne Street, Auckland.

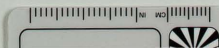
- Rollett, F. C., "Herald" Office,
Queen Street, Auckland.
- Rountree, S. G., Auckland Savings
Bank, Queen Street, Auckland.
- Savage, Dr. T. C., Princes Street,
Auckland.
- Scott, Rev. D., The Manse, One-
hunga.
- Seegner, C., St. Stephen's Avenue,
Parnell.
- Segar, Professor H. W., Manukau
Road, Parnell.
- Shakespear, Mrs. R. H., Whanga-
paroa, near Auckland.
- Shaw, F., Vermont Street, Pon-
sonby.
- Shaw, H., Vermont Street, Pon-
sonby.
- Shepherd, H. M., Birkenhead.
- Simmonds, Rev. J. H., Wesley
Training College, Epsom.
- Simson, T., Mount St. John
Avenue, Epsom.
- Sinclair, A., Kuranui, Symonds
Street, Auckland.
- Sinclair, G., care Pilkington and
Co., Queen Street, Auckland.
- Skelton, A. E., care Wynyard and
Skelton, Fort Street, Auckland.
- Skelton, Hall, Watson's Buildings,
Queen Street, Auckland.
- Smallfield, Rev. P. S., Liverpool
Street, Epsom.
- Smeaton, H. M., Binswood, View
Road, Mount Eden.
- Smith, Capt. James, Franklin
Road, Ponsonby.
- Smith, H. G. Seth, Victoria
Avenue, Remuera.
- *Smith, S. Percy, F.R.G.S., New
Plymouth.
- Smith, W. Todd, Brooklands,
Alfred Street, Auckland.
- Somerville, Dr. J., Alfred Street,
Auckland.
- Somerville, J. M., Chelsea, Auck-
land.
- Spencer, Percy, Imperial Build-
ings, Queen Street, Auckland.
- Spencer, W. C. C., Grafton Road,
Auckland.
- Spragg, Wesley, Mount Albert.
- Stewart, James, care Stewart
Bros., Helensville.
- Stewart, J. W., Wyndham Street,
Auckland.
- Stewart, John A., Kainga-tonu,
Ranfurly Road, Epsom.
- Stewart, R. Leslie, care Brown
and Stewart, Swanson Street,
Auckland.
- Streeter, S. C., Eden Street,
Mount Eden.
- Strevens, J. L., care of F. L.
Armitage, Gleeson's Buildings,
High Street, Auckland.
- Swan, H. C., Henderson.
- Swanson, W., Church Street,
Devonport.
- Talbot, Dr. A. G., A.M.P. Build-
ings, Queen Street, Auckland.
- Taylor, W., Kempthorne Prosser
& Co., Albert Street, Auckland.
- Thomas, Professor A. P. W.,
Mountain Road, Epsom.
- Thornes, J., Queen Street, Auck-
land.
- Tibbs, J. W., M.A., Grammar
School, Auckland.
- *Tinne, H., Union Club, Trafalgar
Square, London.
- Tole, Hon. J. A., Queen Street,
Auckland.
- Trounson, J., Northcote, Auckland.
- Tunks, C. J., care Jackson and
Russell, Shortland Street, Auck-
land.
- Upton, J. H., Queen Street,
Auckland.
- Urquhart, A. T., Karaka, Drury.
- Vaile, E. E., Broadlands, Waio-
tapu.
- Vaile, H. E., Queen Street, Auck-
land.
- Wade, H. L., Queen Street, Auck-
land.
- Wake, E., Wyndham Street,
Auckland.
- Walker, Professor Maxwell, Uni-
versity College, Auckland.
- Walker, S., Melrose, Devonport.
- Walklate, J. J., Electric Tramway
Co., Auckland.
- Wallace, T. F., Waihi G.M. Co.,
Shortland Street, Auckland.
- Walters, J. R., Onslow Road,
Kingsland, Auckland.
- Ward, Percy, Mountain Road,
Remuera.
- Ware, W., Portland Road, Remu-
era.
- Watson, Rev. C. A. B., St. Paul's
Vicarage, Auckland.

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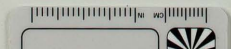
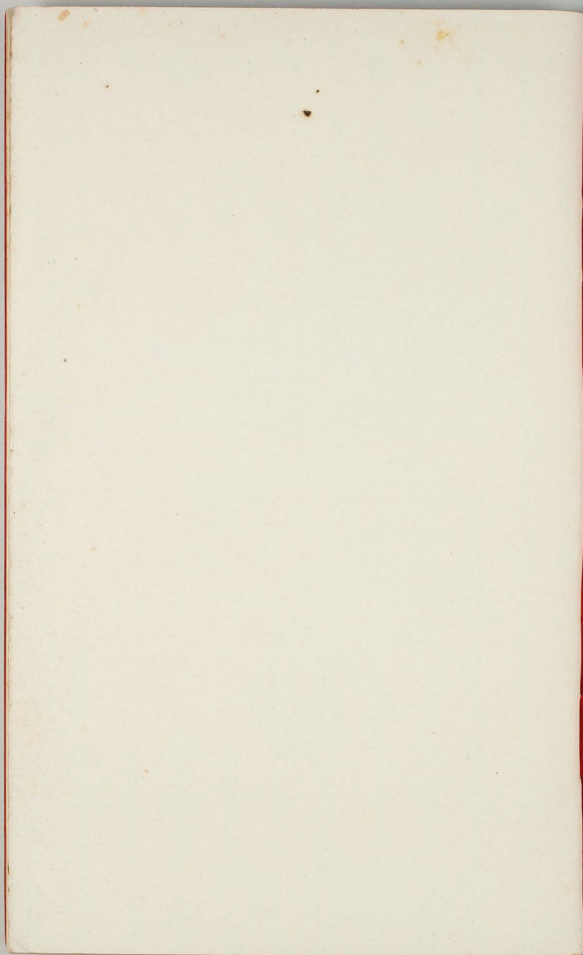
- Webster, J. D., Lower Queen Street, Auckland.
Wells, T. U., Westbourne Road, Remuera.
White, R. W., Wellington Street, Auckland.
Whitley, W. S., Albert Street, Auckland.
Williams, Right Rev. W. L., D.D., Napier.
Wilson, Albert. St. Stephen's School, Parnell.
Wilson, A. P., Victoria Arcade, Queen Street, Auckland.
Wilson, F. W., "Herald" Buildings, Queen Street, Auckland.
Wilson, H. Munro, C.E., Palmerston Buildings, Queen Street, Auckland.
Wilson, John, Portland Cement Co., Shortland Street, Auckland.
Wilson, J. M., Beach Road, Remuera.
Wilson, Liston, Mountain Road, Remuera.
Wilson, Martyn, Rozelle, Lower Remuera.
Wilson, R. M., Russell Road, Remuera.
Wilson, W. R., "Herald" Office, Queen Street, Auckland.
Wilton, G. W., Shortland Street, Auckland.
Winkelmann, H., Victoria Arcade, Queen Street, Auckland.
Winstone, F. B., Custom Street, Auckland.
Winstone, G., Custom Street, Auckland.
Wiseman, A., Hobson's Buildings, Shortland Street, Auckland.
Wiseman, J. W., Albert Street, Auckland.
*Withy, E., care Public Trustee, Auckland.
Woodward, W. E., Union Bank of Australia, Auckland.
Woolcott, A. C., South British Insurance Co., Queen Street, Auckland.
Worley, Professor F. P., University College, Auckland.
Wright, R., care A. B. Wright and Sons, Commerce Street, Auckland.
Wyllie, A., C.E., Electrical Power Office, Breakwater Road, Auckland.
Yates, E., Albert Street, Auckland.
Young, J. L., care Henderson & Macfarlane, Fort Street, Auckland.
Young, Capt. C. A., G.P.O., Auckland.



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